

Fig. 1A

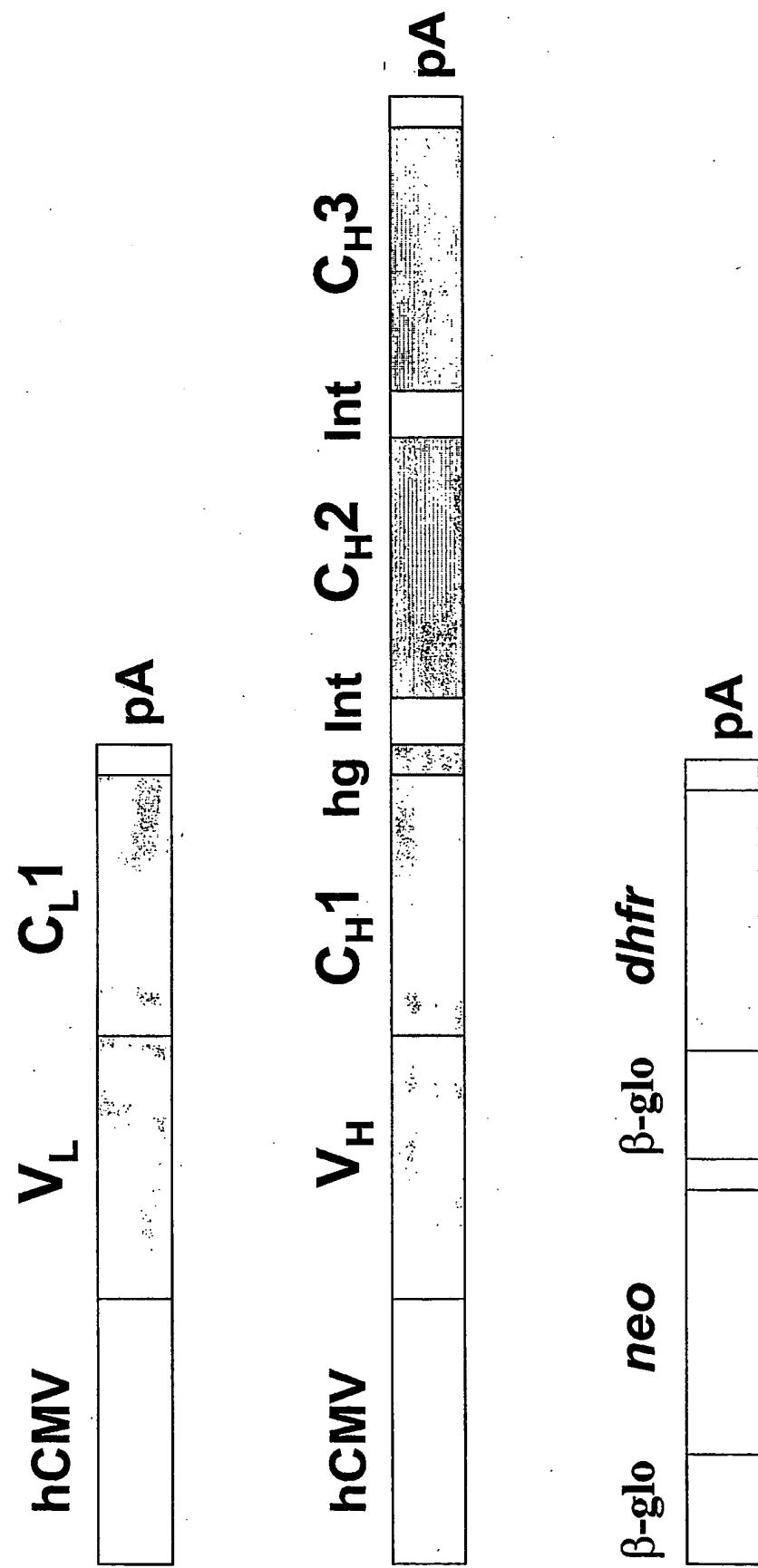


Fig. 1B

(A)	FR1	CDR1	FR2	CDR2
5A7	--ELTQGPATLSLSPGERATLSC ELQM,,S,,A,V,D,V,VT, --,,S,LS,PVTL,QP,SI, --,,S,,A,V,D,V,IT, ELQM,,S,SS,,A,V,D,V,IT, --,,S,SS,,A,V,D,V,IT,	RAGQSILDS---SILS ,SED,N----KW,A ,SS,N,VHSDGNTY,, ,S,GIS-----W,A ,S,DIS----IR,N ,S,DIS----NR,N	WYQQKPGQAPRILMY ,'',K,,K,,I, ,I,,R,,P,,I, ,K,,KF,I, ,K,,K,,I, ,G,,KF,,	DASTRAP KV,N,DS K,,SLES K,,SLES K,,SLES K,,SLES
3C1				
3E4				
7G4				
5H2				
5D9				
FR3	CDR3	FR4	CDR2	FR4
5A7	GVPARFSGSGSGTDLTISLQPEDFAVY ,,S,,E,,D,,T,, ,,D,,A,,K,TRVEA,VGL,, ,,S,,E,,D,,T,, ,,S,,D,,T,, ,,S,,	CQHQYNLPRT ,'',YQSY,Y, ,V,GVQF,I, ,'',YGSY,L, ,'',ENSY,L, ,'',ENSY,L,	FGQGTKELIKRT ,P,, ,P,, ,P,,VD,, ,G,,V,, ,G,,	
3C1				
3E4				
7G4				
5H2				
5D9				
FR1	CDR1	FR2	CDR2	FR4
5A7	EYQLES-GGGLVQPGGSILRLSCAACGVTFS ,,-,AEVKK,,VKV,,KV,,G,L, ,,QS,AEVKK,,VKV,,KV,,G,, ,-,T,,F,, ,-,P,,K,SET,S,T,TV,,GSI, ,-,P,,K,SET,S,T,TV,,GSI,	SYWMH ,,G,LS RNPIS ,, DFYWS DFYWS	WVRQAPGKGLEWW ,'',Q,,P,,M ,Q,,M ,P,, ,L,,S,,I ,L,,S,,I	SRINSDGSSTNTVZ GV,IPTRGTA,, ,V,VEIVGT,KH, AL,KK,,EKY,, GYAH,RV,-AY,N GVAH,RV,-AY,N
3C1				
3E4				
7G4				
5H2				
5D9				
FR3	CDR3	FR4	CDR2	FR4
5A7	RETLISRDNAKNTLYLQMNSLRAEDTAVYYC ,V,YTA,ESTS,V,MELS,,S,, ,V,TA,ESTS,A,MELS,,S,, ,,S,, ,V,TS,,Q,S,RLSAVT,A,,L,, ,V,TS,,O,S,RLSAVT,A,A,L,,	SRGGLWDWSPRRIEETKTPFDY AT-----G,,CRYPTGS,, AT-----Y,,YADVSSYE, T,-----RITLTIVISDA,,I A,-----QGTGTGVSED,F,I A,-----QGTGTGVSED,F,I	WGQQTLTVYSS ,'',A,, ,'',M,, ,'',K,I,,L ,'',K,I,,L	
3C1				
3E4				
7G4				
5H2				
5D9				

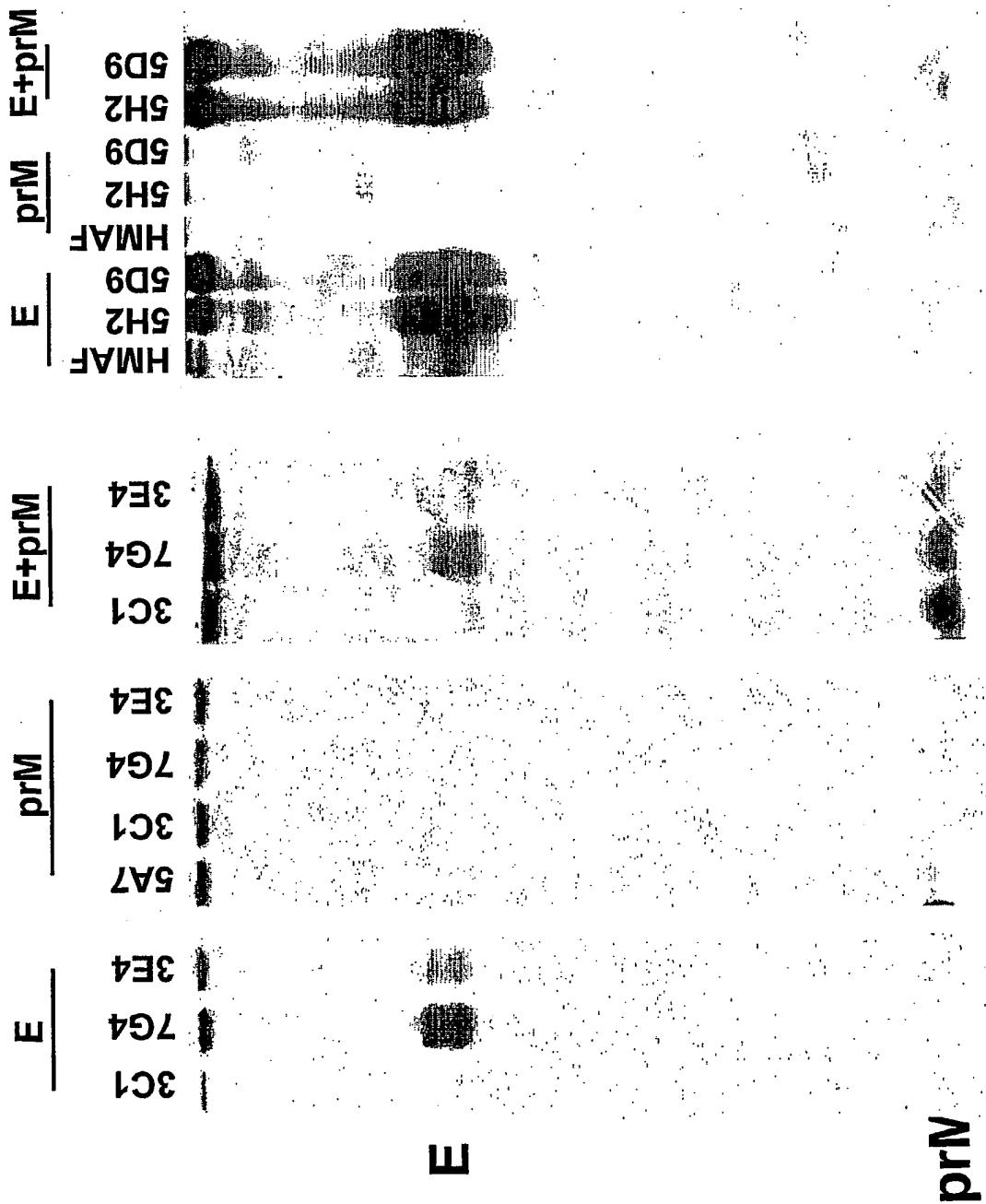
Eig. 2

92 -  
69 -  
46 -  
30 -  
14 -  
**HMAF**  
5H2  
5D9  
3E4  
7G4  
3C1  
5A7  
- E  
- NS1  
- prM

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Fig. 3A

Fig. 3B



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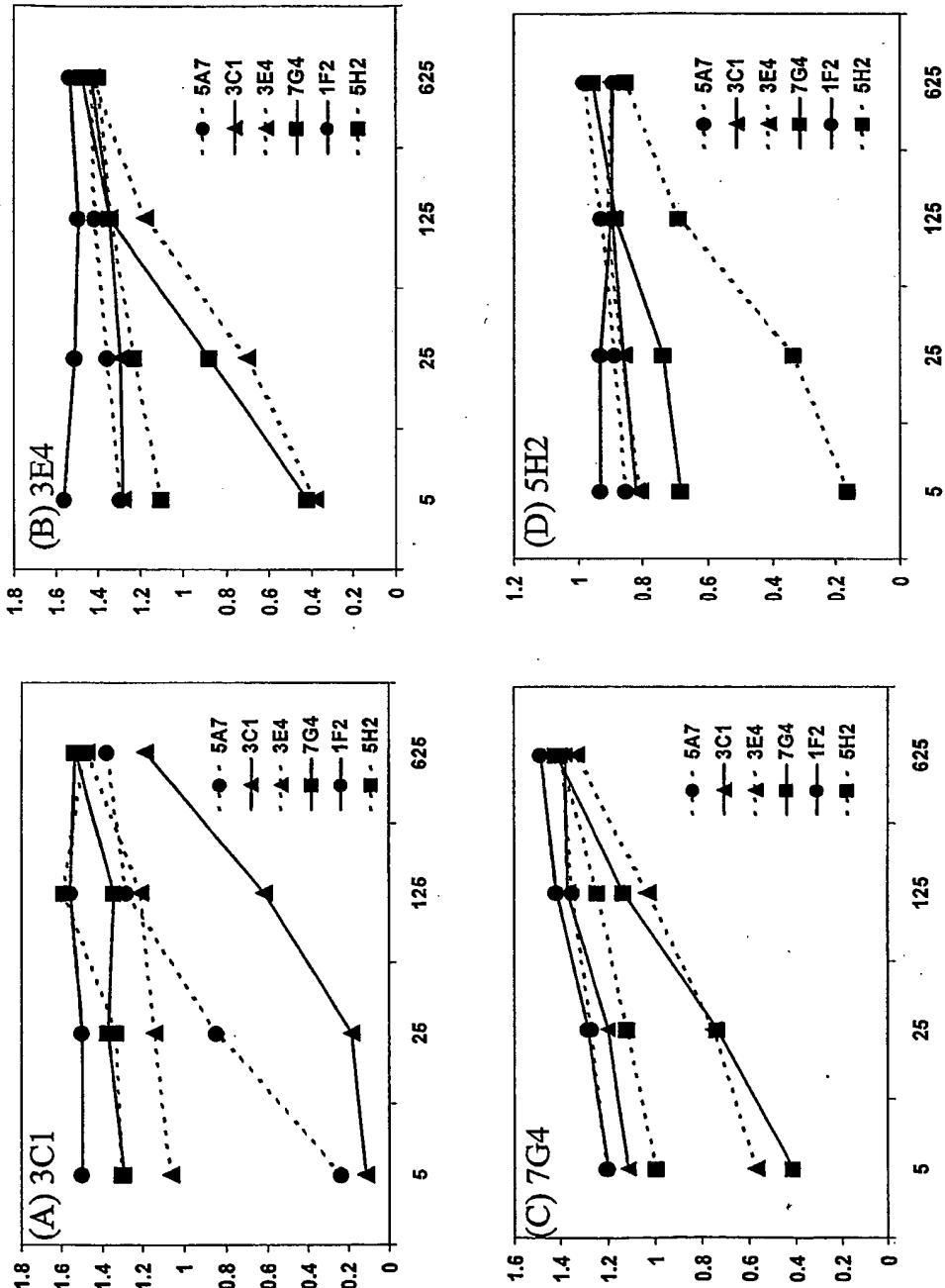


Fig. 4

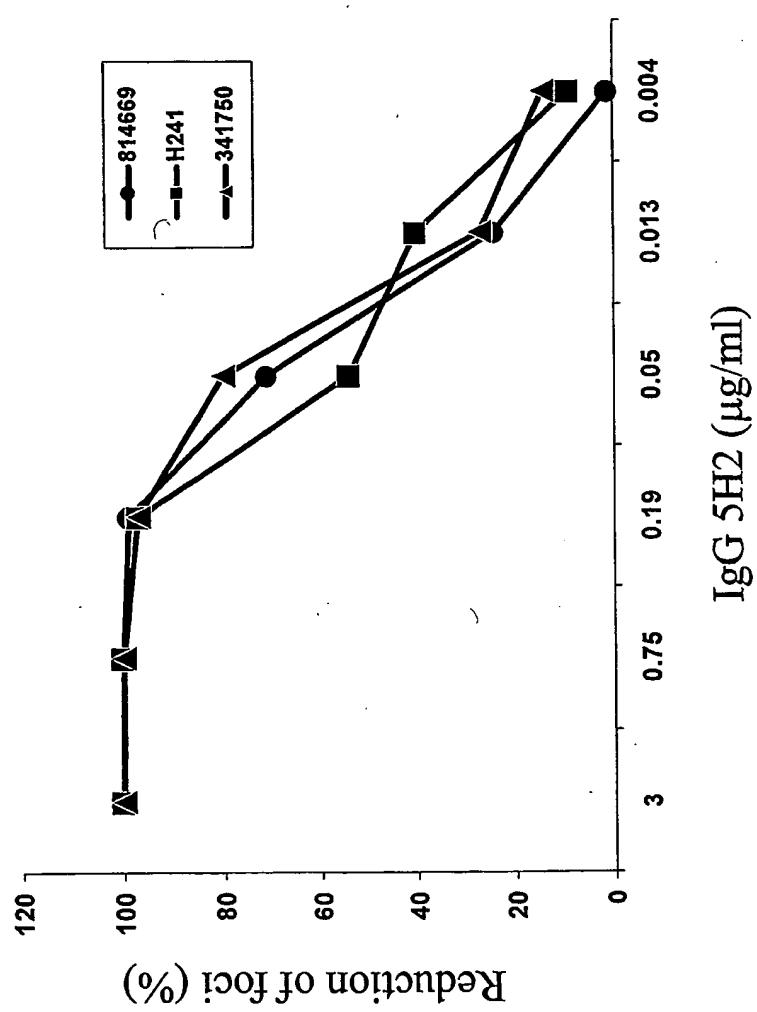


Fig. 5

(A)	FR1	CDR1	FR2	CDR2
	2H7 2H5 3A2 1A5 1B2 1A10 3E4	ELQMTQSPESSLASAVGDRVITIC RASQSQITN-- --EL.....V.....T.....V.....V.....V.....V..... --EL.....V.....T.....A.....T.....A.....T.....A..... .....V.....T.....A.....T.....A.....T.....A..... .....V.....T.....A.....T.....A.....T.....A..... .....V.....T.....A.....T.....A.....T.....A..... .....L.....VAP.QPAS.S.....G..SS.....E.N..... .....L.....VAP.QPAS.S.....KS.....L.IHSDGNT.F..... .....L.....PVTL.QPAS.S.....RS.....NLVHSNDGNT.S..... .....L.....PVTL.QPAS.S.....RS.....NLVHSNDGNT.S..... .....L.....PVTL.QPAS.S.....RS.....NLVHSNDGNT.S.....	YLS WYQQKPGKAPKLLIS YSTIQLS .....N.....Y FA...H..... .....Y HA..... .....Y HA..... .....Y HA..... .....Y DA.S.E..... .....Y GLSNRA..... .....Y KVSNRD.	
FR3	FR4	CDR3	FR4	CDR2
2H7 2H5 3A2 1A5 1B2 1A10 3E4	GVP SRFSGSGSGTDFLTISILOPEDATTY CHYG-YGTHT FGPGTKVVDIKRT .....N.....D.....Q.....Q.....Q.....Q.....Q..... .....D.....D.....D.....D.....D.....D.....D..... .....D.....D.....D.....D.....D.....D.....D..... .....K..QVEA..VGVF.....MQ..TOLPY.....Q.....Q..... .....D.....A.....K..QVEA..VGVF.....VQ..VQFPI.....Q.....Q..... .....D.....A.....K..QVEA..VGVF.....VQ..VQFPI.....Q.....Q.....	FR3	FR4	CDR2
(B)	FR1	CDR1	FR2	CDR2
2H7 2H5 3A2 1A5 1B2 1A10 3E4	EVQILE-SGGGLIVQPGGSRRILSCLAAASGFTIS-- .....Q.....V.....V.....V.....V.....V.....V..... .....P..K..SQTLS.T..V..GSITSD HYFWS M.....R.....I GY..SYRG-T.Y..NP..L..S .....E..AEVKK..SSVVKV..KV..GTF... R.PIS .....Q.....M GV..VPIVGT.KH..QKFQ. .....Q..AEVKK..SSVVKV..KV..GTF... R.PIS .....Q.....M GV..VPIVGT.KH..QKFQ.	FR3	FR4	CDR3
2H7 2H5 3A2 1A5 1B2 1A10 3E4	RFTISRDNSKNTLYLQMDGLRPEDTAVTYC AREYCTGGT-CFAHFDY WGQGTLVTVSS .....S.....S.....S.....S.....S.....S.....S..... .....D.....G.....D.....D.....S..... .....T.....T.....S..... .....ASV.AGMPAAGTL.H..... .....TYYAD.....SYSEY..... .....TYYADV.....SYSEY.....	FR3	FR4	CDR3

Fig. 6

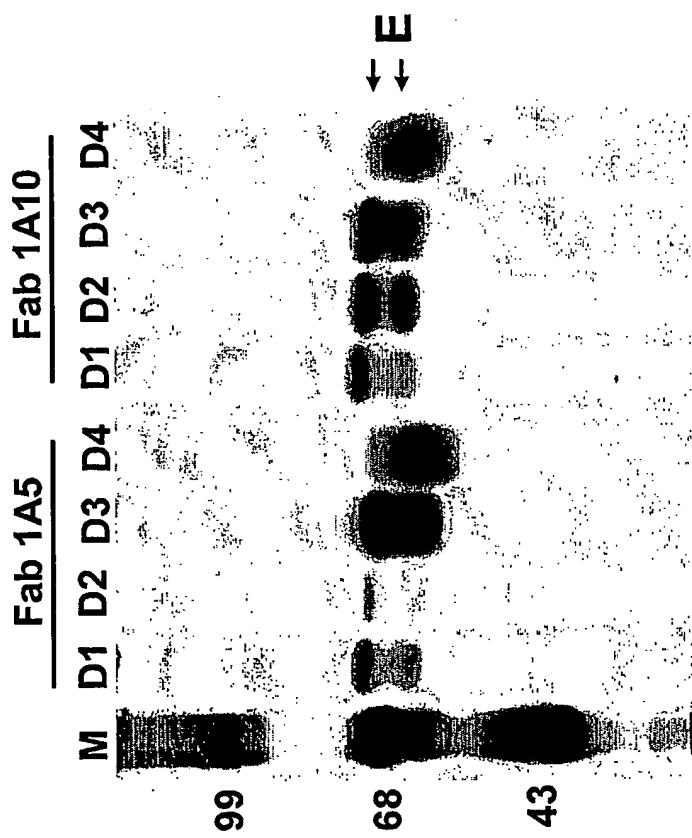
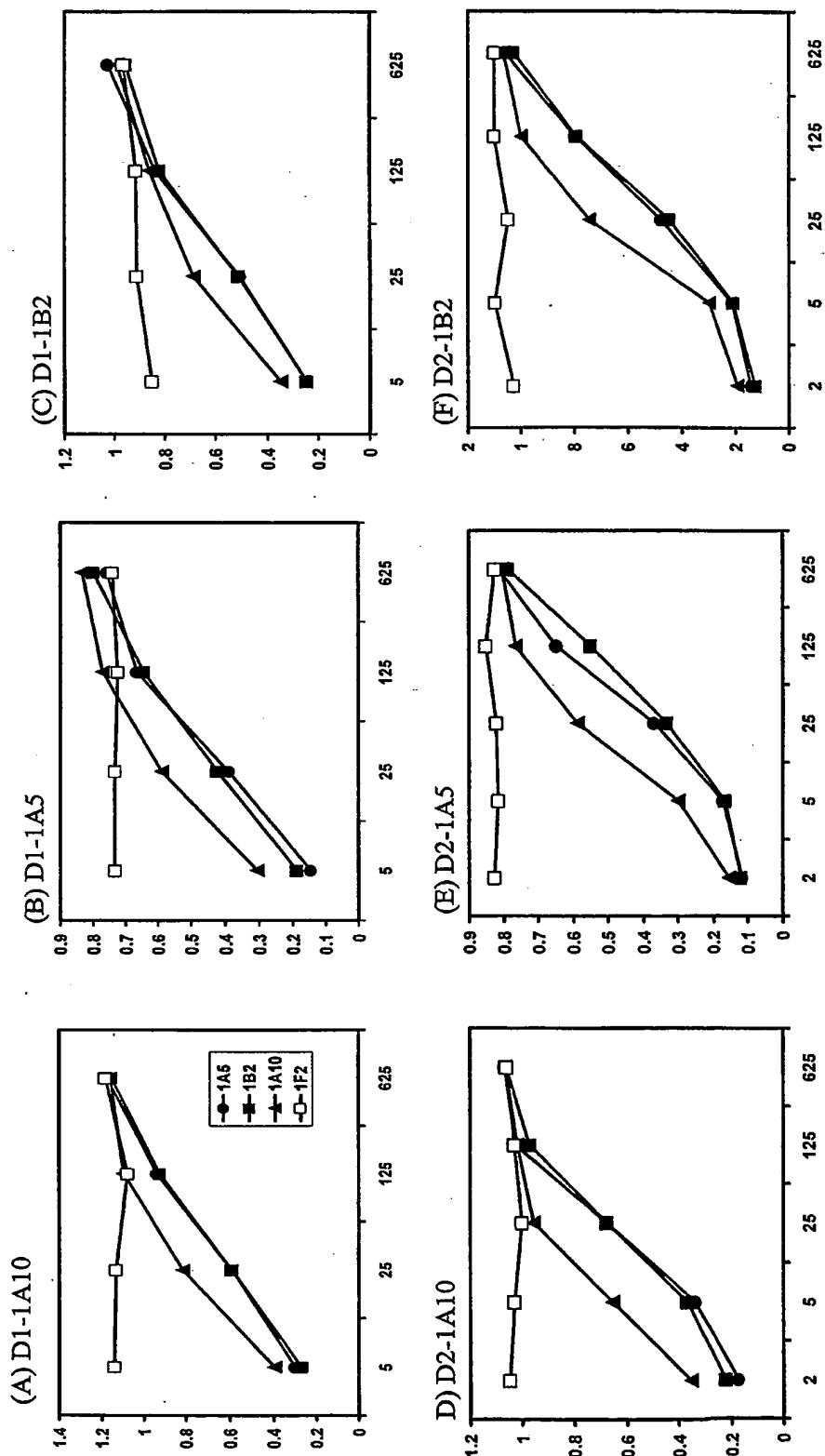


Fig. 7

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**Fig. 8**

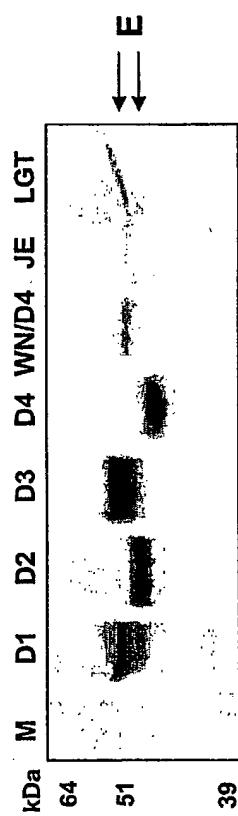


Fig. 9

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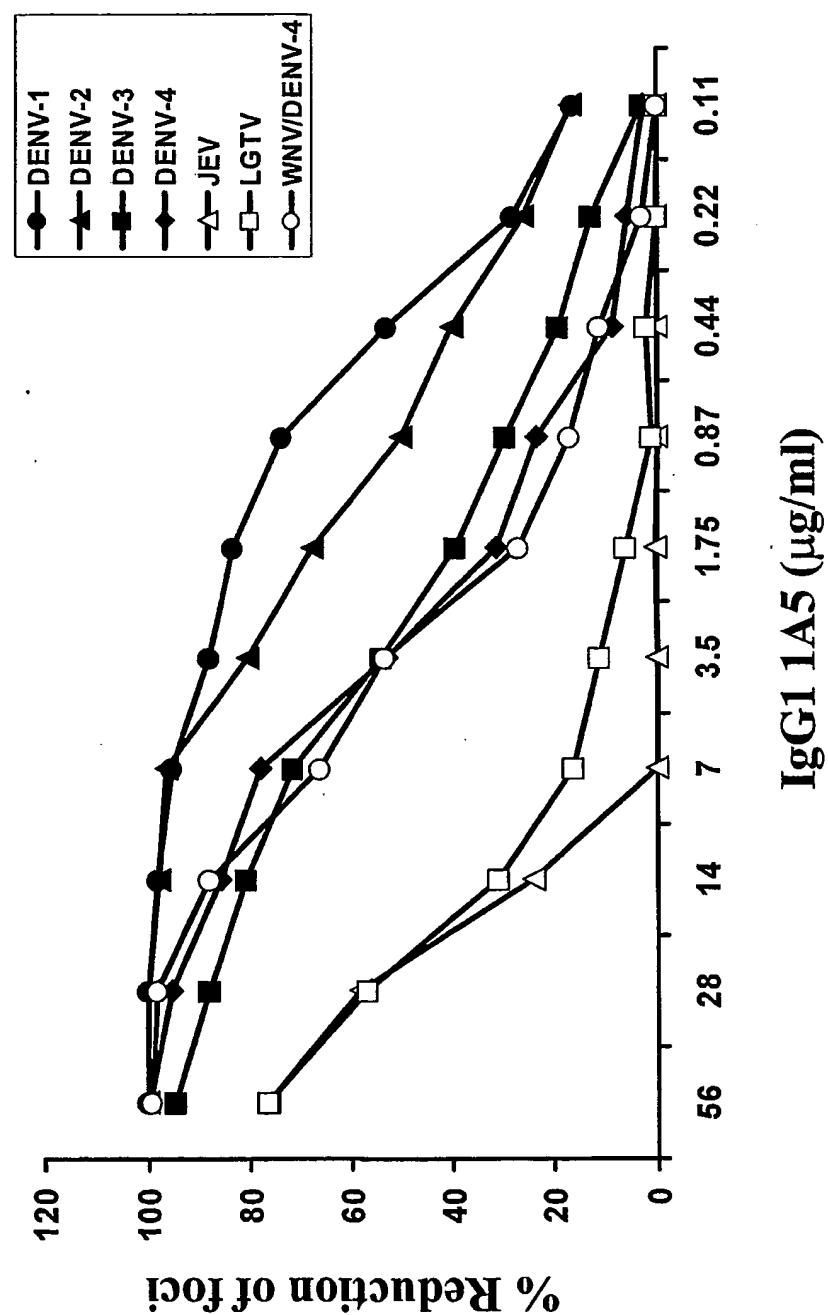
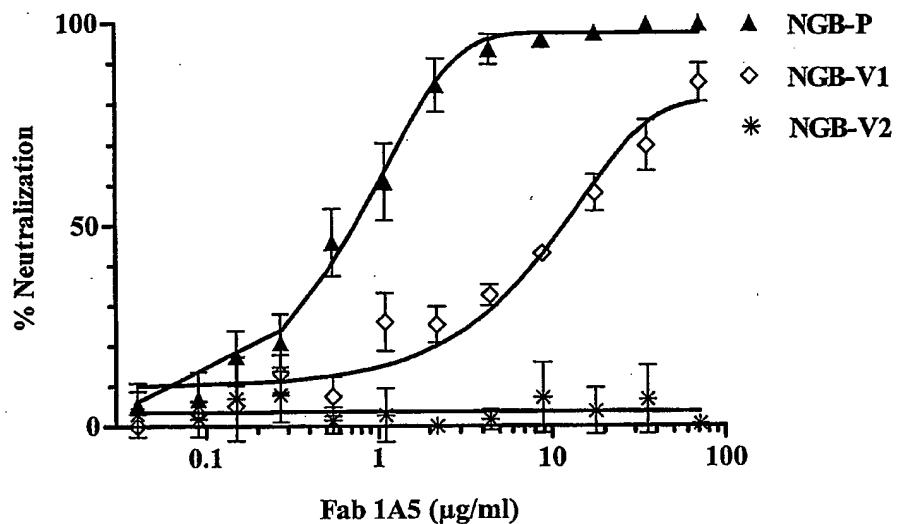
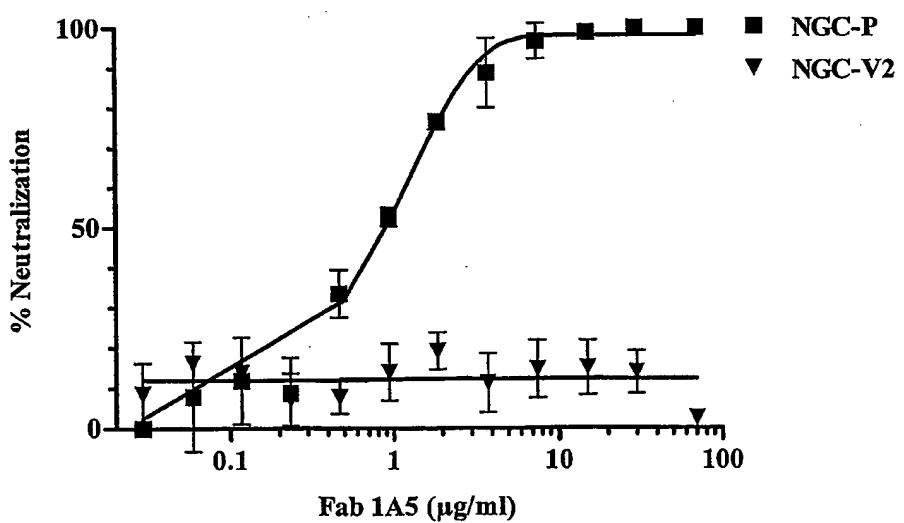


Fig. 10

**A****B****Fig. 11**

**A**

	c	Gly <sub>106</sub>	d	
DENV-2 P	89 RFVCKHSMVDRGWGNCGGLFGKGGIVTCAMFT			120
DENV-2 V1	-----			
DENV-2 V2	-----V-----			
DENV-1	N---RRTF-----		SLI---K-K	
DENV-3	NY----TY-----		SL---K-Q	
DENV-4	QYI-RRDV-----		V---K-S	
WNV	A---RQGV-----		S-D---K-A	
JEV	SY---QGFT-----		S-D---K-S	
JEV SA14-14-2	SY---QGFT-----	F	S-D---K-S	
SLEV	T---RDV-----		S-D---K--	
YFV Asibi	DNA--RTYS-----		S--A--K--	
YFV 17D	DNA--RTYS-----		S--A--K--	
LGTV	GT---RDQS-----	H	S---VK--	
TBEV	GT---RDQS-----	H	S--A-VKAA	

**B**

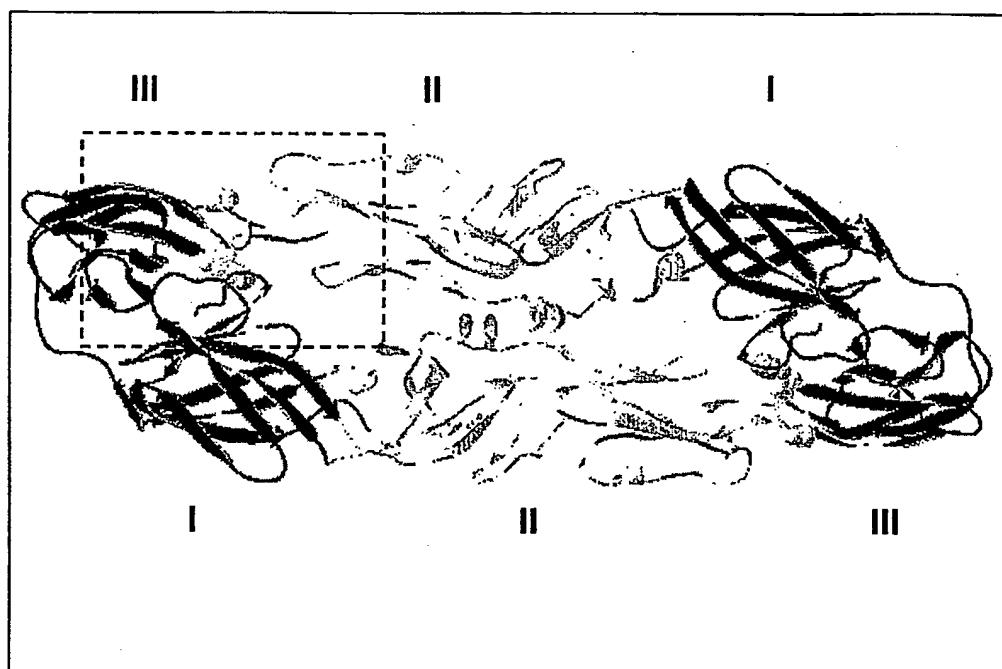
	A	His <sub>317</sub>	B	
DENV-2 P	306 FKVVKEIAETQHGTIVIRVQY			326
DENV-2 V1	-----Q-----			
DENV-2 V2	-----			
DENV-1	--LE--V-----		VLVQ-K-	
DENV-3	-VLK--VS-----		L-K-E-	
DENV-4	-SID--M-----		T-VK-K-	
WNV	--FLGTP-D-G---	V	LEL--	
JEV	-SFA-NP-D-G---	V	--ELT-	
JEV SA14-14-2	-SFA-NP-D-G---	V	--ELT-	
SLEV	-TFS-NPTD-G---	V	VIVEL--	
YFV Asibi	MFF--NPDT-G---	V	MQ-KV	
YFV 17D	MFF--NPDT-G---	V	MQ-KV	
LGTV	-TWKRAPTD SG-D-V-ME-GF			
TBEV	-TWRRAPTD SG-D-V-ME-TF			

**Fig. 12**

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A



B

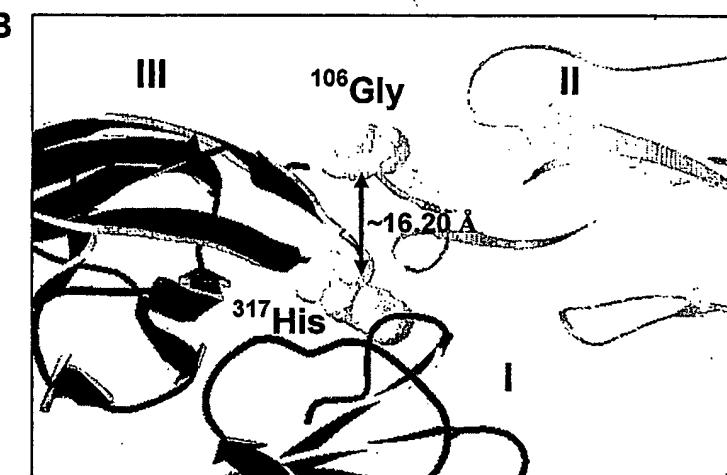
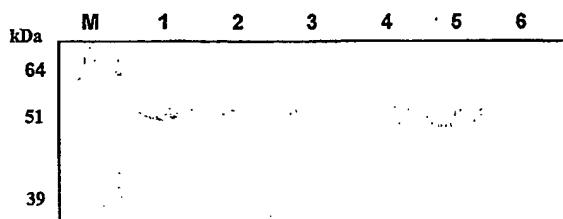
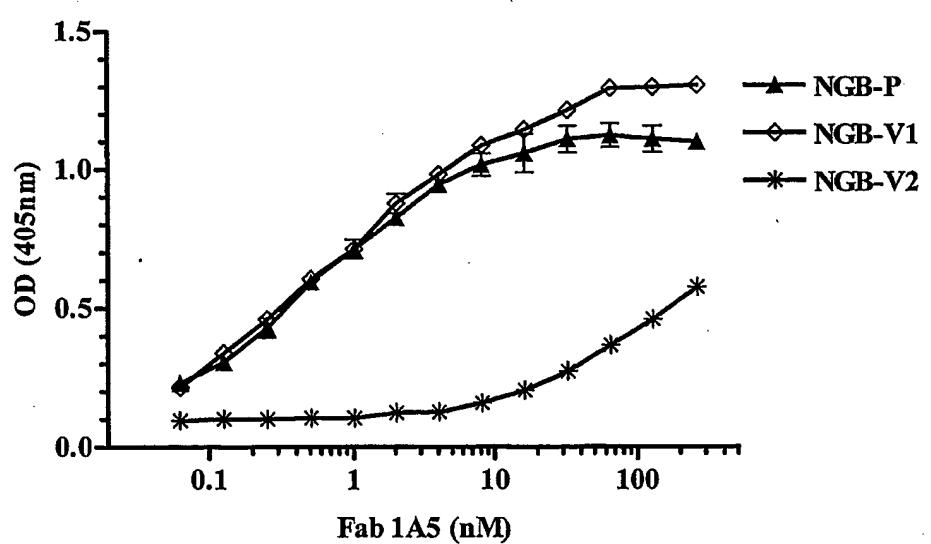


Fig. 13

**A****Mab 3H5****Fab 1A5****B**

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FIG. 14

**Fig. 14**

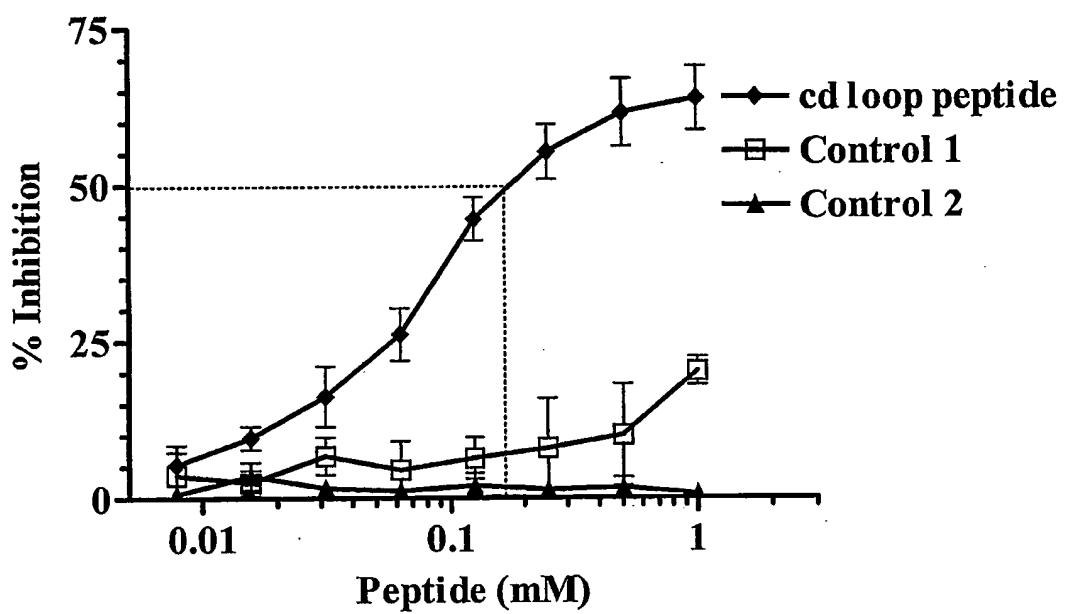
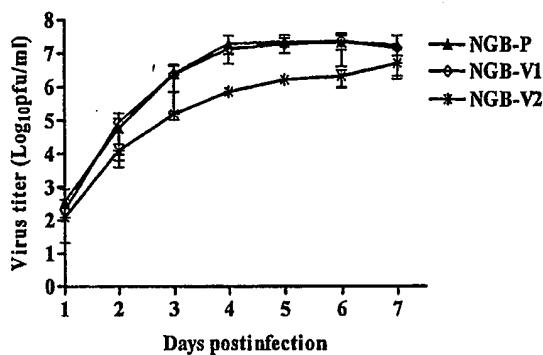
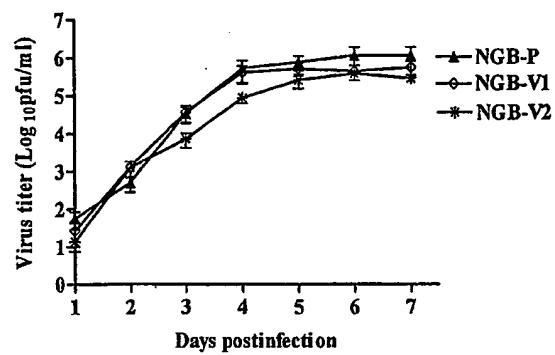


Fig. 15

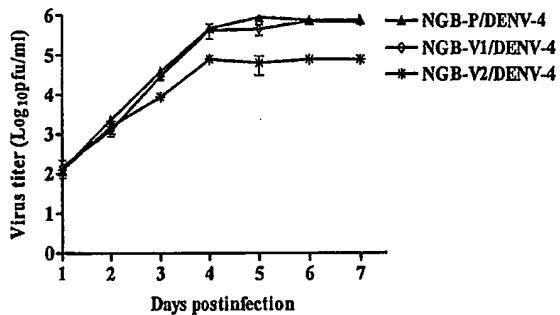
(A) C6/36



(B) Vero



(C) C6/36



(D) Vero

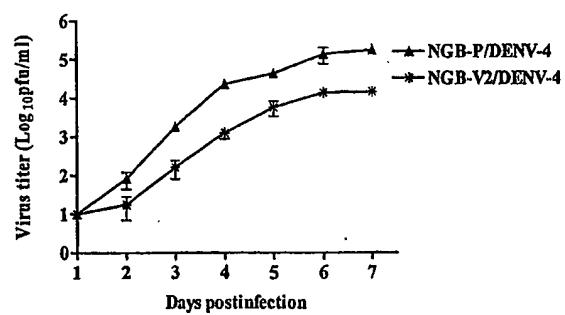


Fig. 16

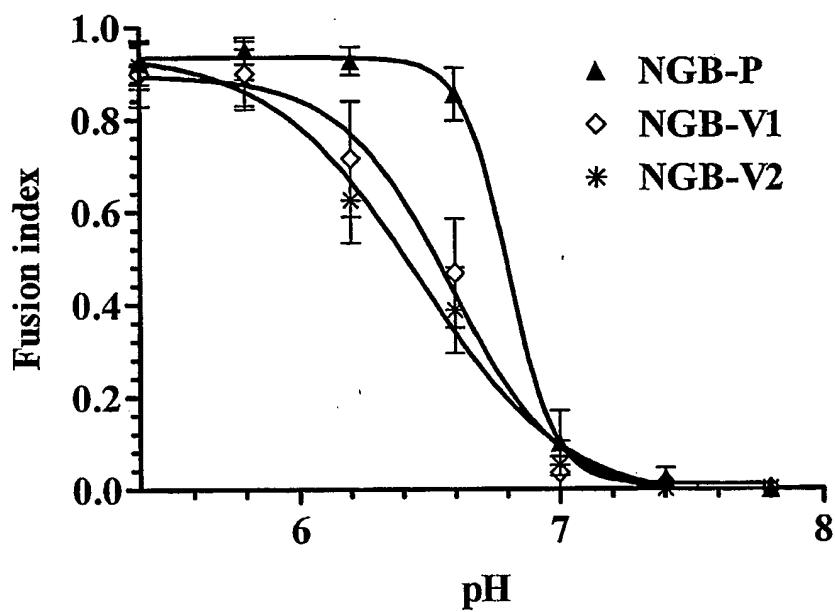
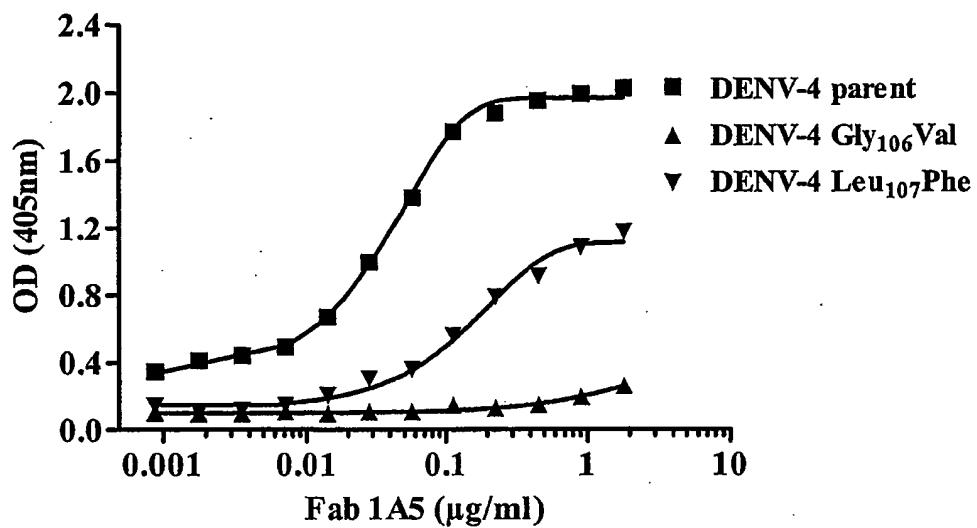
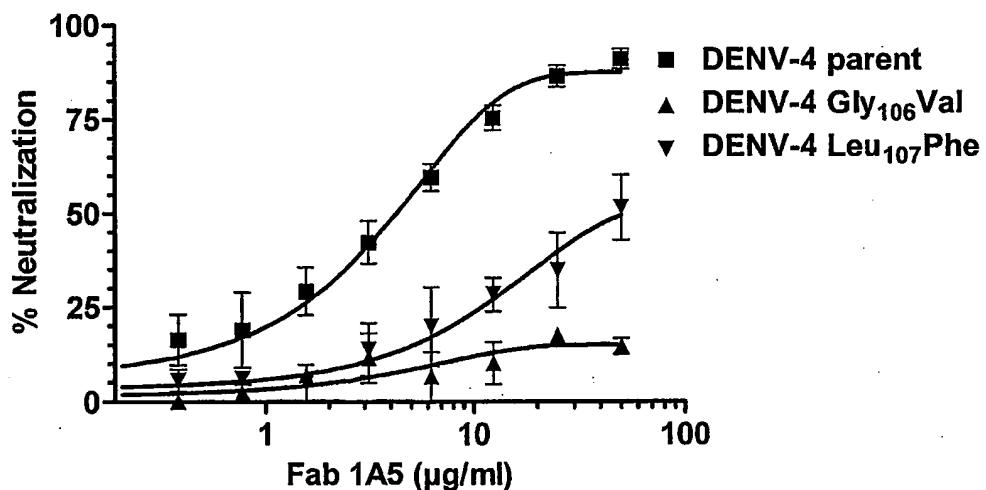


Fig. 17

**A****B****Fig. 18**